



**(51) International Patent Classification<sup>7</sup>: H04B 3/28,**  
**3/30, 3/54**

**(21) International Application Number:** PCT/IB2004/051242

**(22) International Filing Date:** 16 July 2004 (16.07.2004)

(25) Filing Language: English

**(26) Publication Language:** English

**(30) Priority Data:**  
03102230.4      18 July 2003 (18.07.2003)      EP

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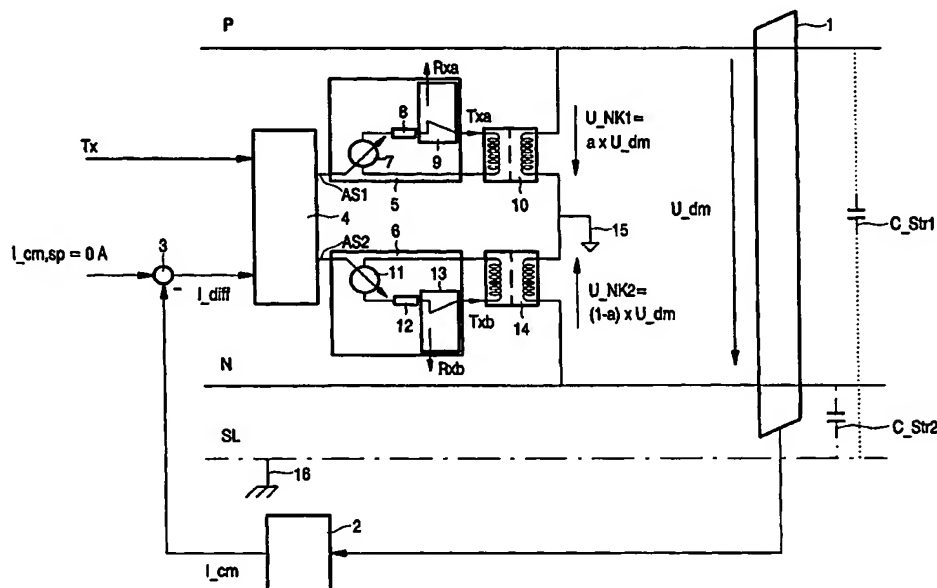
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**(81) Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

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**(54) Title: METHOD AND DEVICE FOR REDUCING COMMON MODE SIGNAL IN POWER LINE COMMUNICATION SYSTEM**



**(57) Abstract:** In a wire-bound network which comprises unshielded lines such as power supply lines, electromagnetic radiation is produced when transmitting data above the mains frequency. The device according to the invention comprises active means for reducing or eliminating the common-mode current (I-cm). To this end, these active means generate an artificial dissymmetry which is complementary to that of the network and is measured continuously or periodically.

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

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